

Title (en)  
A METHOD AND DEVICE FOR PRUNING A VIDEO SEQUENCE

Title (de)  
VERFAHREN UND VORRICHTUNG ZUM BESCHNEIDEN EINER VIDEOSEQUENZ

Title (fr)  
PROCÉDÉ ET DISPOSITIF D'ÉLAGAGE D'UNE SÉQUENCE VIDÉO

Publication  
**EP 4383705 A1 20240612 (EN)**

Application  
**EP 22211665 A 20221206**

Priority  
EP 22211665 A 20221206

Abstract (en)  
The present application discloses a method of pruning a prediction-coded video sequence and a corresponding pruning device. The pruning method comprises: obtaining (S301) one or more global motion values for the video sequence, wherein each global motion value represents an amount of motion in a scene depicted by a set of successive image frames in the video sequence; for a set of successive image frames having a global motion value being below a global motion threshold, identifying (S302) an immediately following group of pictures, GOP; obtaining (S305) a skip frame having the same frame configuration as the image frames of the identified GOP; replacing (S306) the initial intra frame of the identified GOP with the obtained skip frame; and configuring (S307) the skip frame and the remaining image frames of the identified GOP to form a continuation of a frame numbering of an immediately preceding GOP.

IPC 8 full level  
**H04N 19/114** (2014.01); **H04N 19/137** (2014.01); **H04N 19/159** (2014.01); **H04N 19/40** (2014.01); **H04N 19/61** (2014.01)

CPC (source: EP US)  
**H04N 19/114** (2014.11 - EP US); **H04N 19/132** (2014.11 - EP); **H04N 19/137** (2014.11 - EP US); **H04N 19/159** (2014.11 - EP); **H04N 19/172** (2014.11 - EP); **H04N 19/177** (2014.11 - EP); **H04N 19/527** (2014.11 - EP); **H04N 19/587** (2014.11 - EP)

Citation (search report)  
• [A] WO 2021149892 A1 20210729 - ATINS INC [KR]  
• [A] US 2010296579 A1 20101125 - PANCHAL RAHUL P [US], et al  
• [A] US 2009122860 A1 20090514 - YIN PENG [US], et al  
• [A] US 2016198166 A1 20160707 - KUDANA ARUN SHANKAR [IN], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4383705 A1 20240612**; CN 118158421 A 20240607; KR 20240084469 A 20240613; US 2024187578 A1 20240606

DOCDB simple family (application)  
**EP 22211665 A 20221206**; CN 202311634499 A 20231201; KR 20230172000 A 20231201; US 202318530576 A 20231206